

USER MANUAL

GOLDMUND Mimesis 20.7 D/A Converter



Thank you for purchasing the Goldmund MIMESIS 20.7 D/A CONVERTER.

Please take some time to read this manual. It may provide you with useful information to make your pleasure of listening to the MIMESIS 20.7 even higher.

INTRODUCTION

GOLDMUND MIMESIS 20.7 D/A Converter

Goldmund was founded in 1978 and has ever since been dedicated to the accurate reproduction of sound and image.

At Goldmund, we strive to lead in the creation, development and manufacture of the industry's most advanced technologies, including audio and video systems, home-networking and music distribution.

The guiding principle at Goldmund is to produce a precise sound with the latest possible loss of quality through the different stages. Goldmund will never adopt a technology before it is sufficiently developed to satisfy the high quality standards we set. This is why Goldmund has often rejected mainstream technologies and developed its own.

W A R N I N G!

No connection or manipulation must be done before reading these instructions. Damage to the D/A Converter may result if the following instructions are not consciously understood and applied.

This high quality converter possesses new technical features like high bandwidth and ultra-high dynamic capability which are or will become necessary for an accurate conversion of the today's best digital messages as well as tomorrow's new formats.

Only careful installation and use can provide the satisfaction you are expecting.

The installation instructions must be carried out in full and the mentioned precautions taken to get the expected result and to avoid impairing performance.

CONTENTS

1. SETTING UP THE MIMESIS 20.7	4
2. FIRST INSTALLATION AND CONNECTIONS	7
3. FRONT PANEL FUNCTIONS	9
4. CLEANING	9
5. TECHNICAL DATA	10

1 SETTING UP THE MIMESIS 20.7

1.1 UNPACKING

You will find in the GOLDMUND MIMESIS 20.7 box:

- The D/A Converter
- The power cord
- This manual

ATTENTION

Please keep the packaging in case you need to transport the MIMESIS 20.7 at a later date or if you have to send it for maintenance.

This packaging has been designed specifically to protect the MIMESIS 20.7 in transit. Use of alternative packaging is likely to result in damage, invalidating warranty cover.

For exacting technicians, musicians, and all amateurs who demand the very best in recording transcription, we strongly recommend the use of a top quality CD transport unit, DVD transport or Blu-ray transport, since most of the digital signal integrity can be destroyed before the converter unit.

For a perfect CD/DVD Blu-ray transport, Goldmund recommends the Goldmund Eidos 20BD or Eidos BD Reference.

Considering the extreme performance of the Mimesis 20.7 D/A converter, the connection between the digital sources and D/A converter is also very critical. Use ultra-low reflection cables for SPDIF the connection. In all typical cases, Goldmund recommends using as SPDIF connection its special Goldmund Lineal cable.

1 SETTING UP THE MIMESIS 20.7

1.2 CHOICE OF D/A CONVERTER LOCATION AND COOLING

Select a very rigid support for your CD/DVD player.

Position the player as far away as possible from the speakers if you want to totally avoid the air coupling between the speakers and the CD/DVD player.

The distance between the CD/DVD transport and the Mimesis 20.7 is usually not critical. However, if you use a coaxial cable link, and the CD/DVD transport is not perfectly matched to the SPDIF interface specifications, a short distance is mandatory.

If you want to achieve the best possible sonic result, select a position on a shelf or on a piece of furniture where the converter is isolated from vibrations of mechanical components, like the CD/DVD transport itself.

If you use 2 Mimesis 20.7 in a 2-channel system, do not stack them.

You must also be careful to locate your Mimesis 20.7 in a very well ventilated location. When powered on, the Mimesis 20.7, as all high quality electronic equipment, generates a significant amount of heat which has to be evacuated by natural ventilation.

For the same reason, it is perfectly normal that, after few hours of operation, your Mimesis 20.7 gets quite hot.

1.3. POWER SUPPLY

The Goldmund Mimesis 20.7 D/A converter uses a power supply developed by Goldmund to provide totally separate voltage to each part of the digital and analog circuitry.

Your power supply unit has been set to operate with the mains voltage of your area. Check on the power supply voltage switch if there is any doubt. If you move after purchasing the D/A converter to an area using a different AC mains voltage, you can change the voltage by yourself or consult your local Goldmund dealer for assistance.

1 SETTING UP THE MIMESIS 20.7 (Ctd)

1.3. POWER SUPPLY

The voltage selector on the rear panel allows to choose between 230V and 115V, and two additional switches inside the M20.7 allow to choose between 100V and 115V when the voltage selector on the rear panel is on 115V and between 200V and 230V when the voltage selector on the rear panel is on 230V.

The power supply unit can operate indifferently with both 50 and 60 Hz AC line.

2 FIRST INSTALLATION AND CONNECTIONS

2.1. POWER CONNECTION

Plug the AC power cord to the power supply and in a wall socket.

The converter is powered by pressing the power switch located on the front panel. For best sonic results, Goldmund recommends to leave the converter powered on permanently.

When turned ON, the unit accomplishes a self test run by its internal software. A software routine successively tests the circuits inside the machine.

2.2. SOURCES CONNECTION

Connect the CD/DVD transport or any other digital sources like a Goldmund Digital Preamplifier or tape machines to the back panel digital inputs and outputs of the Goldmund Mimesis 20.7, using either a coaxial link and the RCA or the AES/EBU XLR connectors.

2 FIRST INSTALLATION AND CONNECTIONS (Ctd)

2.2. SOURCES CONNECTION

A pair of digital outputs, both SPDIF and XLR, is available on the front panel to cascade the digital signal to the next D/A unit.

On the rear panel, select either the RCA or the XLR inputs by switching the tiny switch located between them.

Select also between the CH1 or CH2 sources which are propagated by the digital input cable.

When the input source is connected, connect one analogue output RCA jack to the analogue preamplifier line level input or the power amplifier analogue input, using a high quality analogue interconnect like the Goldmund Lineal Interconnect.

With the Mimesis 20.7 Balanced analogue built-in circuitry, you may also use the XLR balanced analogue output to connect to a balanced input source. However, the sound quality will not be as high as in the unbalanced mode.

3 FRONT PANEL FUNCTIONS

- Power key:

The power is switched on or off by the large front panel key.

- Power LED:

When power is ON, the red Led is lighted.

- Locking LED:

When a digital signal is present at unit's input, the green Led shows the unit is locked on this signal.

4 CLEANING

Always disconnect the power cord from the wall socket before cleaning your converter.

To clean the metal of the converter, always use a very soft cloth to avoid scratching the surface. Use a soft cloth slightly wet for usual maintenance.

5 TECHNICAL DATA

DIGITAL INPUTS/OUTPUTS CONFIGURATION:

- 2 switchable Digital Inputs, S/PDIF coaxial (RCA 75 Ohms) and AES/EBU balanced (XLR 110 Ohms)
- 2 Digital Outputs, providing S/PDIF RCA coaxial and AES/EBU XLR balanced, with separate driving circuits

ANALOG OUTPUTS:

- 1 x Analog RCA outputs
- 1 x XLR balanced analog outputs

D/A CONVERTER CIRCUIT:

- Goldmund ultra-linear phase proprietary circuitry enhanced Alize 7 with enhanced dynamics
- Bandwidth: 20Hz-20kHz -0.2dB typical
- Typical non-linearity : below 1dB at -100dB
- Typical phase error between channels: < 0.5degrees
- Output voltage: 2Vrms unbalanced, 4Vrms balanced

FRONT PANEL CONTROLS:

- 1 key for Power ON/OFF
- Separate Led display for Power (red) and for digital signal locking (green)

REAR PANEL CONNECTORS AND CONTROLS:

- 1x analogue RCA output connector
- 1x analogue XLR output connector
- 1 set of digital input (1 x RCA SPDIF and 1 x XLR AES/EBU)
- 1 set of digital outputs (1x RCA SPDIF and 1x XLR AES/EBU)
- Input switch between SPDIF and AES
- Channel input switch

POWER SUPPLY:

- 3 Separate Power transformers
- Nominal AC line voltage : 100V, 115V, 200V or 230V
- Input voltage range : +/- 10%

SIZE AND WEIGHT:

- 44 cm W x 43 cm D x 10.7 cm H
- 20 kg

WARRANTY:

- 3 years parts and labor